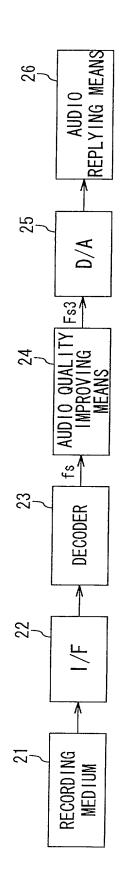
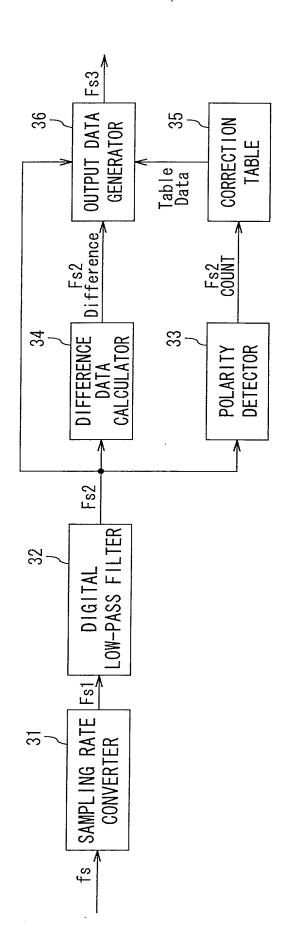


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F16.2



F | G.

## ALGORITHM OF DOUBLE-EXTENDED SAMPLING

INPUT DATA	OUTPUT DATA		
SAMPLED AT RATE = fs	CONVERTED TO RATE=Fs (=2 × fs)		
m	m		
m+1	0		
m+2	m+1		
m+3	0		
	m+2		
-	0		
	m+3		
	0		
	•		
	-		

FIG. 4

## CORRECTION TABLE A

Fs2COUNT	3 (=2Fs)	4 (=3Fs)	5 (=4Fs)	6 (=5Fs)
n=1	0	0	0	0
n=2	1/4 (= α)	1/4 (= α)	$1/4 (= \alpha)$	1/4 (= α)
n=3		-1/4 (= β )	0	0
n=4	-	-	-1/4 (= β )	0
n=5	-		_	-1/4(=β)

FIG. 5A

## CORRECTION TABLE B

Fs2COUNT	3 (=2Fs)	4 (=3Fs)	5 (=4Fs)	6 (=5Fs)
n=1	0	0	0	0
n=2	$-1/4 (= \beta)$	$-1/4 (= \gamma)$	$-1/4 (= \gamma)$	-1/4 (= γ)
n=3	-	1/4 (= θ )	0	0
n=4	-	-	1/4 (= \theta )	0
n=5	_	<del>-</del>	-	1/4(=0)

FIG. 5B

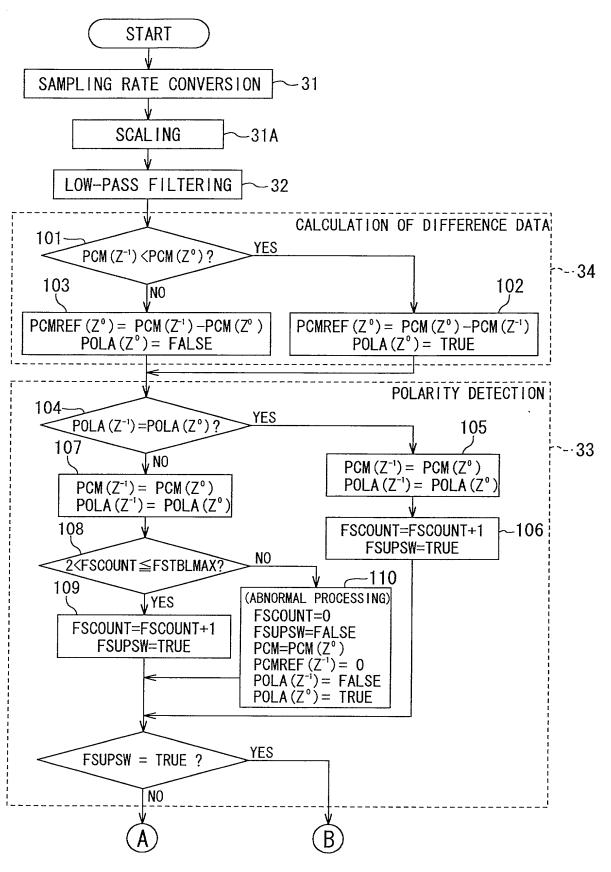


FIG. 6

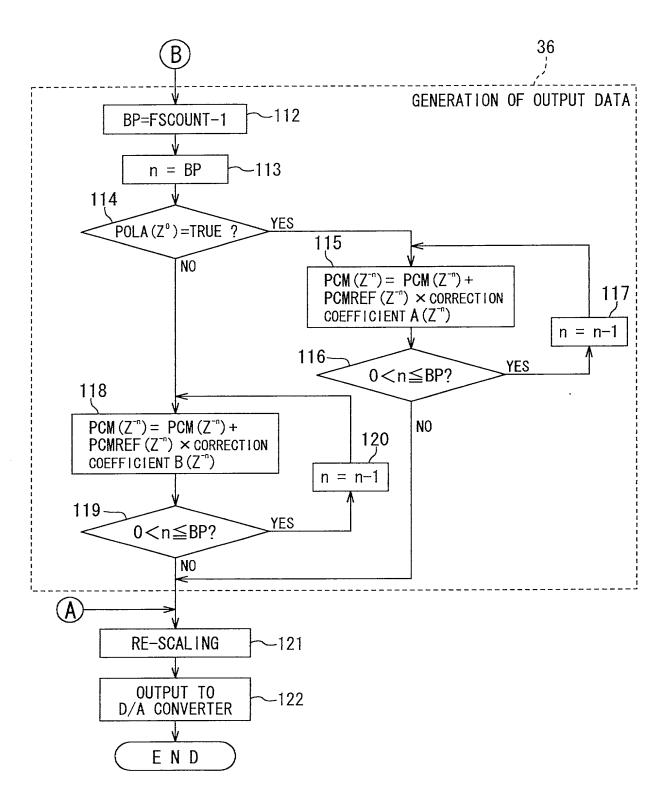
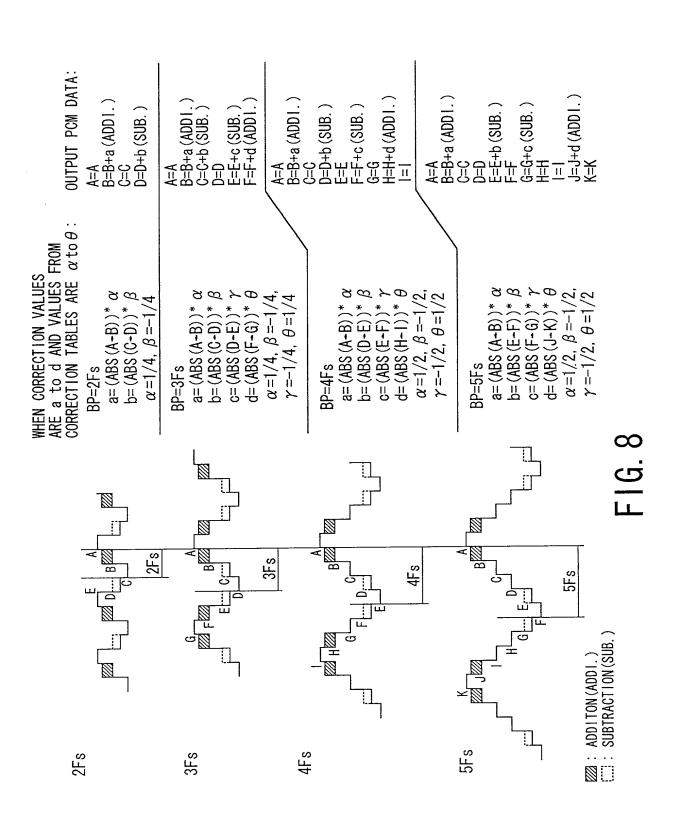
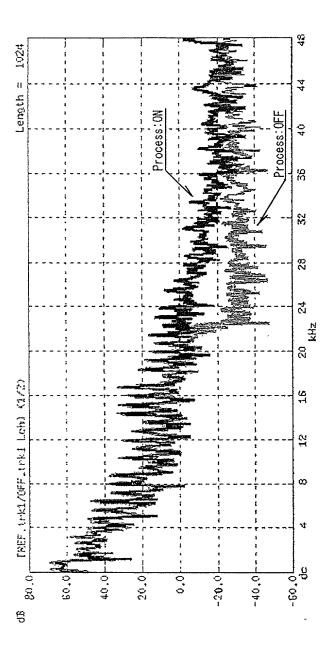


FIG. 7

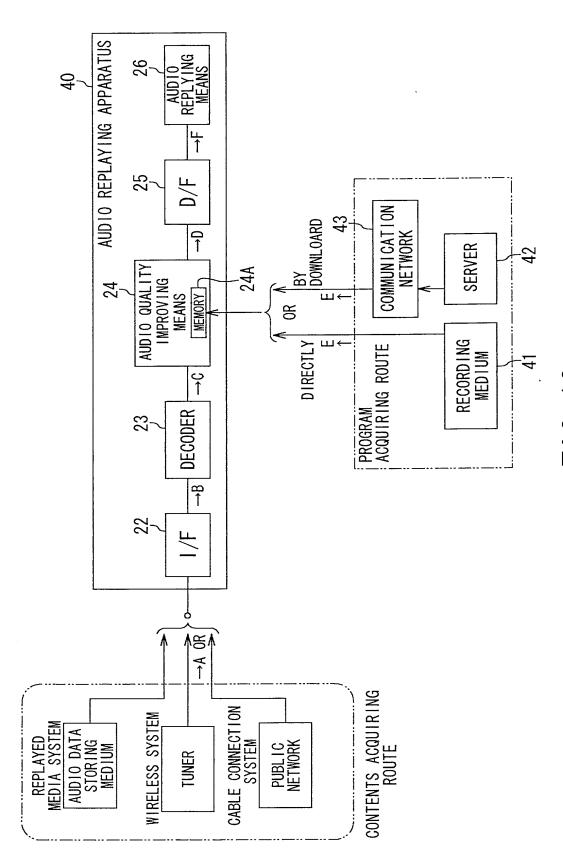




OUTPUT LEVELS OF SPECTRUM ANALYZER

UPPER (ON) :WITH VOICE-QUALITY IMPROVEMENT PROCESSING

LOWER (OFF) :WITHOUT VOICE-QUALITY IMPROVEMENT PROCESSING



F1G. 10

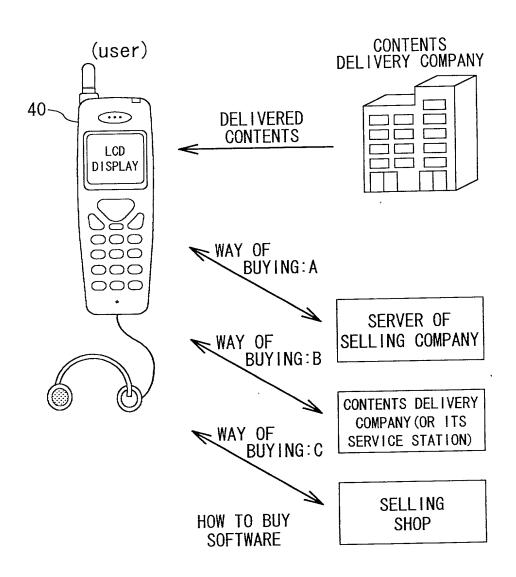


FIG. 11